

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : Not known (divisional of 09/114,586) Confirmation No. not known
Applicant : Eldridge
Filed : December 12, 2003
TC/A.U. : Not known
Examiner : Not known

Docket No. : P56D1-US

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Listed on an attached Form PTO/SB/08A is information known to applicant(s).

A COPY OF EACH LISTED DOCUMENT IS NOT PROVIDED because each listed document was cited in the parent application US Serial No. 09/114,586. See 37 CFR § 1.98(d). The Examiner is requested to initial and return the attached Form PTO/SB/08A in accordance with MPEP §609. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

☒ This statement qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):

- ☒ (1) It is being filed within 3 months of the application filing date (other than the filing date of a continued prosecution application under §1.53(d))
-- OR --
- ☐ (2) It is being filed within 3 months of entry of a national stage
-- OR --
- ☒ (3) It is being filed before the mail date of the first Office Action on the merits
-- OR --
- ☐ (4) It is being filed before the mail date of the first Office Action after the filing of a request for continued examination under §1.114.

☐ 37 C.F.R. §1.97(c). If this statement is being filed after the latest of: (1) three months beyond the filing date of a national application; (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; (3) the mailing date of a first Office action on the merits, or (4) the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, but before the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, then:

☐ a statement as specified in §1.97(e) is provided below; **or**

☐ a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

☐ 37 C.F.R. §1.97(d). If this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, but before payment of the issue fee, then:

A. a statement as specified in §1.97(e) is provided below; **and**

B. a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

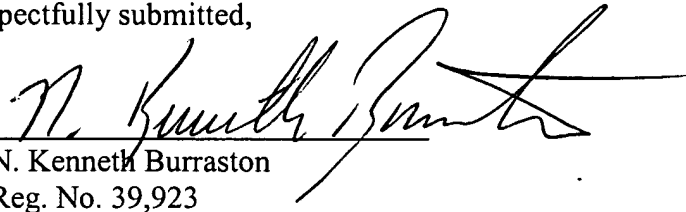
Fee:

- ☒ No fee is due.
☐ A check in the amount of \$_____ for the above-identified fee(s) is enclosed.

Respectfully submitted,

Date: December 12, 2003

By


N. Kenneth Burraston
Reg. No. 39,923

Parsons, Behle & Latimer PLC
P.O. Box 45898
201 South Main St., Suite 1800
Salt Lake City, Utah 84145-0898
Phone: (801) 536-6763
Fax: (801) 536-6111

| | | | | | |
|--|---|----|---|--------------------------|--------------------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | <i>Complete If Known</i> | |
| | | | | Application Number | Not known (divisional of 09/114,586) |
| | | | | Filing Date | December 12, 2003 |
| | | | | First Named Inventor | Eldridge |
| | | | | Group Art Unit | Not known |
| | | | | Examiner Name | Not known |
| Sheet | 1 | of | 3 | Attorney Docket No. | P56D1-US |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|----------------------|------------------------|-------------------------------|------------------|-------------------|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant | Publication Date | Relevant Portions |
| | | Number | Kind Code ² | | | |
| | 1. | 2002/0019152 | A1 | Eldridge et al. | 2/14/2002 | |
| | 2. | 0923327 | | Burton | 6/1909 | |
| | 3. | 3193793 | | Plunkett et al. | 7/1965 | |
| | 4. | 3290636 | | Overtveld | 12/1966 | |
| | 5. | 3794953 | | Malin | 2/1974 | |
| | 6. | 3842189 | | Southgate | 10/1974 | |
| | 7. | 3936930 | | Stern | 2/1976 | |
| | 8. | 4239312 | | Myer et al. | 12/1984 | |
| | 9. | 4352061 | | Matrone | 9/1982 | |
| | 10. | 4403272 | | Larson | 9/1983 | |
| | 11. | 4428633 | | Lundergan | 1/1984 | |
| | 12. | 4553192 | | Babuka et al. | 11/1985 | |
| | 13. | 4615573 | | White et al. | 10/1986 | |
| | 14. | 4813129 | | Karnezos | 3/1989 | |
| | 15. | 4871316 | | Herrell | 10/1989 | |
| | 16. | 5172050 | | Swapp | 12/15/1992 | |
| | 17. | 5252916 | | Swart | 10/1993 | |
| | 18. | 5309324 | | Herandez | 5/3/1994 | |
| | 19. | 5373231 | | Boll et al. | 12/13/1994 | |
| | 20. | 5476211 | | Khandros | 12/19/1995 | |
| | 21. | 5495667 | | Farnworth | 3/1996 | |
| | 22. | 5498902 | | Hara | 3/1996 | |
| | 23. | 5555422 | | Nakano | 9/10/1996 | |
| | 24. | 5574384 | | Oi | 11/1996 | |
| | 25. | 5772451 | | Dozier, II et al. | 6/30/1998 | |
| | 26. | 5773986 | | Thompson et al. | 6/1998 | |
| | 27. | 5869961 | | Spinner | 11/1996 | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

| | | | | | |
|--|---|----|---|--------------------------|--------------------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | <i>Complete If Known</i> | |
| | | | | Application Number | Not known (divisional of 09/114,586) |
| | | | | Filing Date | December 12, 2003 |
| | | | | First Named Inventor | Eldridge |
| | | | | Group Art Unit | Not known |
| | | | | Examiner Name | Not known |
| Sheet | 2 | of | 3 | Attorney Docket No. | P56D1-US |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|----------------------|------------------------|-------------------------------|------------------|-------------------|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant | Publication Date | Relevant Portions |
| | | Number | Kind Code ² | | | |
| | 28. | 5917707 | | Khandros et al. | 6/29/1999 | |
| | 29. | 5974662 | | Eldridge et al. | 11/2/1999 | |
| | 30. | 6043563 | | Eldridge et al. | 3/28/2000 | |
| | 31. | 6049976 | | Khandros | 4/14/2000 | |
| | 32. | 6330164 | | Khandros et al. | 12/11/2001 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-----------------------|-------------------------|---------------------|------------------------|-------------------------------|------------------|-------------------|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant | Publication Date | Relevant Portions | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ | | | | |
| | 33. | EP | 295914 | A2 | Karnozos | 12/21/1988 | | |
| | 34. | FR | 2680284 | A1 | | 2/12/1993 | | |
| | 35. | JP | 07-94560 | | Tokyo Electron | 4/7/1995 | | |
| | 36. | JP | 59-87842 | | | 5/1984 | | |
| | 37. | JP | 05-64784 | | Tokyo Seimitsu | 2/5/1992 | | |
| | 38. | JP | 64-47090 | | | 2/1989 | | |
| | 39. | JP | 09-21828 | | Nihon | 1/21/1997 | | |
| | 40. | JP | 09/45740 | | Shin | 2/14/1997 | | |
| | 41. | WO | 97/43654 | A1 | Khandros et al. | 11/20/1997 | | |
| | 42. | WO | 96/38858 | A2 | | 12/5/1996 | | |
| | 43. | WO | 97/16866 | A2 | | 5/9/1997 | | |
| | 44. | WO | 96/16440 | A1 | | 5/30/1996 | | |
| | 45. | WO | 96/15459 | A1 | | 5/23/1996 | | |
| | 46. | WO | 98/01906 | | Khandros et al. | 1/15/1998 | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

| | | | | | |
|--|---|----|---|--------------------------|--------------------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | <i>Complete If Known</i> | |
| | | | | Application Number | Not known (divisional of 09/114,586) |
| | | | | Filing Date | December 12, 2003 |
| | | | | First Named Inventor | Eldridge |
| | | | | Group Art Unit | Not known |
| | | | | Examiner Name | Not known |
| Sheet | 3 | of | 3 | Attorney Docket No. | P56D1-US |

| OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS | | | |
|--|-----------------------|--|----------------|
| Examiner Initials ³ | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
| | 47. | CLARK et al., "Joining Integrated Circuit Chips to Microcast Fingers," IBM Technical Disclosure Bulletin, vol. 12 no. 11, pp. 1981-82 (April 1970) | |
| | | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.